

MEMORANDUM

FOR THE RECORD

FROM: Gerald W. Stoker, Area Engineer

SUBJECT: Alvey Wash Distribution System

On May 22, 1974, I toured the above system with Mr. Melvin Alvey, Water Commissioner, for the purpose of reviewing control works, measuring devices, and the distribution of the water. We found the flow of water to be quite low in the system which is understandable following the lack of precipitation in this drainage area. The following is a list of each diversion inspected and our comments on each:

Leo Wilson No. 1 - Dry, but there has been water diverted through this ditch earlier this year with no measuring device.

Leo Wilson No. 2 - Dry, no diversion made.

Leo Wilson No. 3 - 0.71 gage height in a 6 inch Parshall Flume or 1.20 CFS. Parshall Flume needs to be cleaned out and a stilling basin constructed above the flume. The regulatory pond for the sprinkler system has been enlarged over last year without knowledge of this office.

Leo Wilson No. 4 - Water is being diverted from the channel and is not being measured. The water is being used on swampy ground and, in our opinion, without beneficial use. We need an order to install measuring device or cease using the water.

Thurman Spencer - Pump and meter is operating correctly. I measured one revolution per 20 seconds ($AF \times 0.0001$) or approximately 97 GPM (0.218 CFS).

McKay Bailey - 0.19 gage height in a 12 inch Parshall Flume or 0.33 CFS. According to instructions issued to Mr. Bailey when the system was established he was to construct a by-pass or overflow canal where all water not decreed or allotted to him could be conveyed back into Alvey Wash above the "Steed" point of diversion. This has not been accomplished and we need an order directing him to install this device. Evidence in the field indicates that there has been water wasted through this diversion.

Paul Steed Est. - 0.38 gage height in a 12 inch Parshall Flume or 0.92 CFS. The approach is a little swift and turbulent but there is no way without great expense to correct this feature. It is not serious.

Vay Barney - No diversion, very little water in the channel at this point.